

**JULY 2006 CLIMATE SUMMARY
FOR SOUTHWEST MICHIGAN
ISSUED BY THE NATIONAL WEATHER SERVICE
GRAND RAPIDS, MI
By William D. Marino**

The month of July was warmer and wetter than normal across most of Southwest Lower Michigan. The largest rainfall departures from normal were south and west of Grand Rapids where the rainfall anomalies exceeded 3 inches above normal. Areas near and north of Route 10 were closest to normal in rainfall. All of southwest Michigan was warmer than normal, especially north of Interstate 96.

There were two heat waves during the month. The first resulted in three days of highs in the lower to mid 90s from the 13th through 15th. The second event began on the 29th and continued through the end of the month. The 31st was the warmest day of the month at most locations since the morning lows were unusually warm. Heat index readings reached 105 to 108 degrees on the 31st during the afternoon at many locations.

There were four significant storm events in July. The squall line on the evening of the 10th brought 1 to 2 inches of heavy rain near Interstate 96, and several reports of one inch diameter hail north of interstate 96.

The biggest storm for the month was the evening squall line that moved south through Lower Michigan during the evening of the 17th. That storm brought both flooding and severe weather that resulted in many power outages, downed trees and power lines to a large part of the area. Some locations near Grand Rapids had over 3 inches of rain in less than 2 hours during this event.

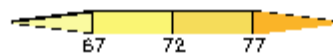
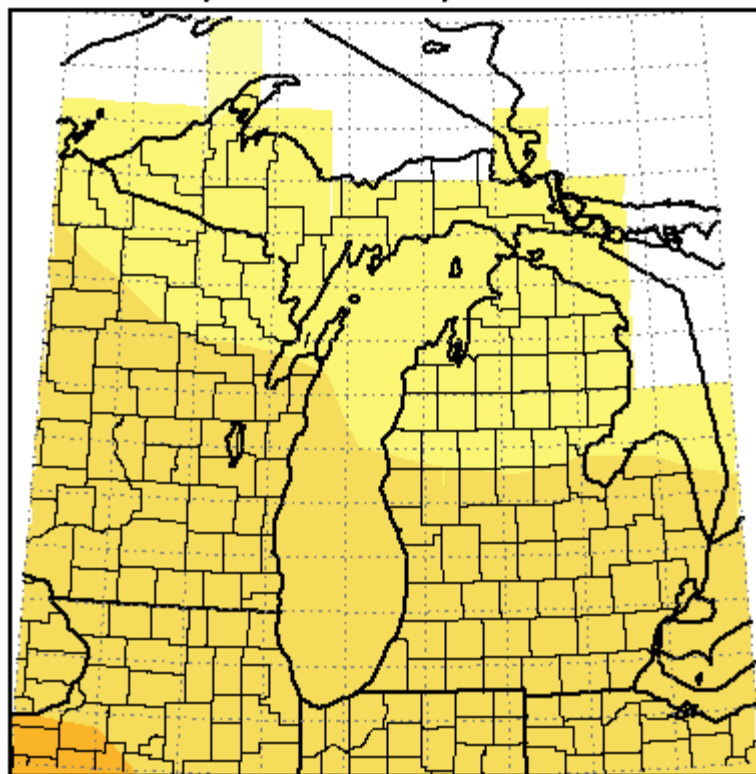
On the 27th an area of storms brought 1 to 3 inches of rain across a good part of southwest Michigan with the Grand Rapids area again receiving the largest rainfall amounts. This event resulted in some wind damage in Barry County.

On the 30th a squall line moved across Lake Michigan from Wisconsin during late morning and produced wind damage from the lakeshore to Ionia County. Rainfall of one half to one inch was associated with this event.

**The following table indicates the climate numbers for July 2006
at Grand Rapids, Lansing, and Muskegon.**

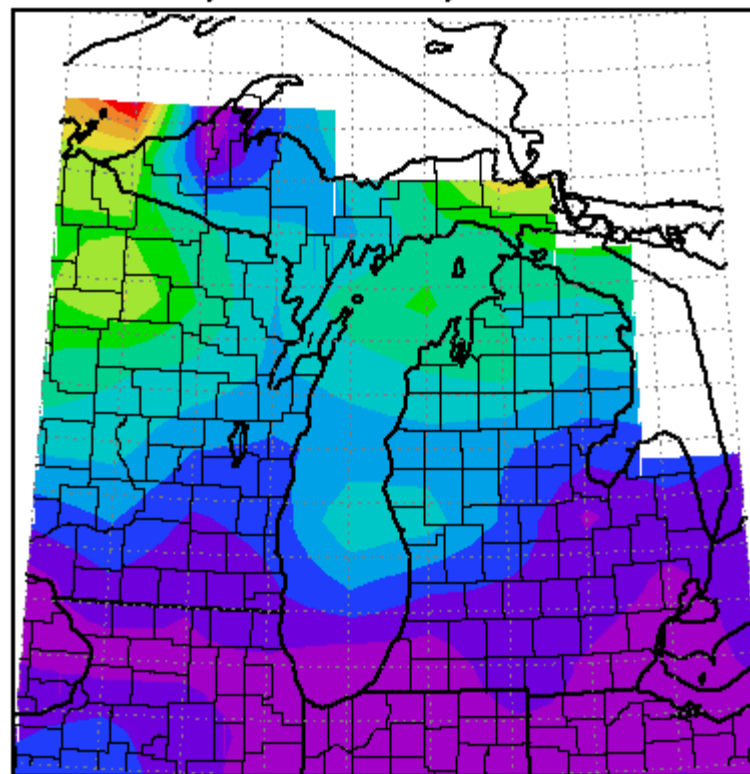
Site:	Temperature	Precipitation	Snowfall
Grand Rapids	74.7° F	6.90"	0.0"
Normal	71.4° F	3.56"	0.0"
Departure	+3.3° F	+3.34"	0.0"
Lansing	73.7° F	4.05"	0.0"
Normal	70.3° F	2.68"	0.0"
Departure	+3.4° F	+1.37"	0.0"
Muskegon	73.0° F	4.08"	0.0"
Normal	69.9° F	2.32"	0.0"
Departure	+3.1° F	+1.76"	0.0"

Average Temperature in Degrees F
July 1, 2006 to July 31, 2006



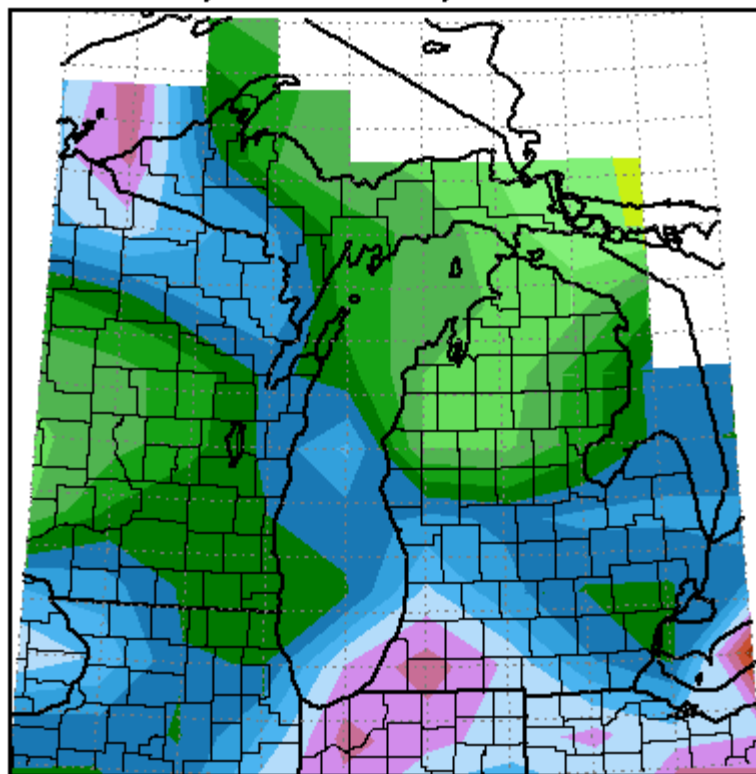
Midwestern Regional Climate Center
Illinois State Water Survey
Champaign, Illinois

Average Temperature Departure from Mean in Degrees F
July 1, 2006 to July 31, 2006



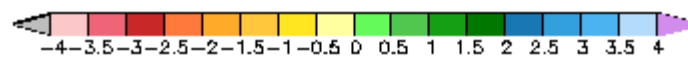
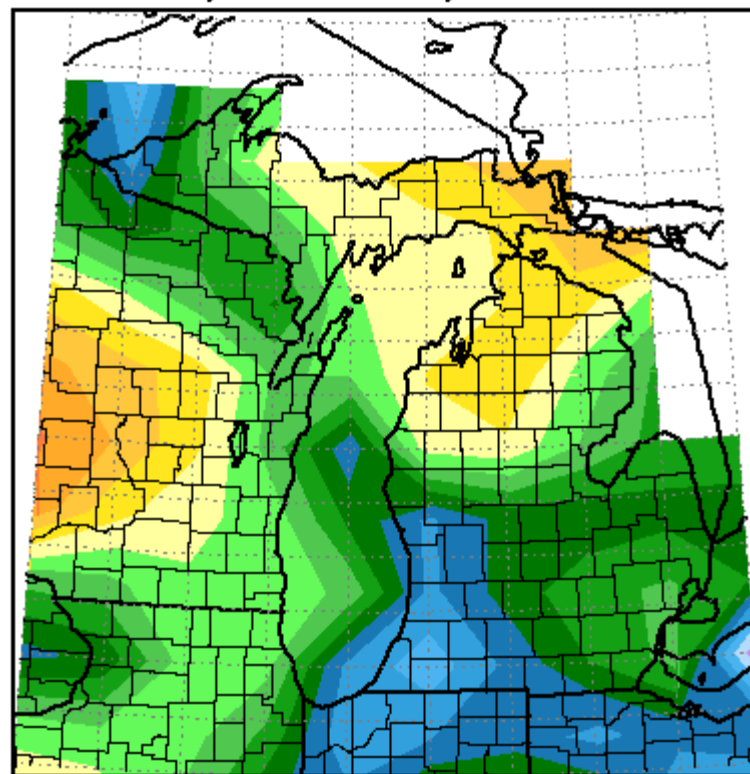
Midwestern Regional Climate Center
Illinois State Water Survey
Champaign, Illinois

Total Precipitation in Inches
July 1, 2006 to July 31, 2006



Midwestern Regional Climate Center
Illinois State Water Survey
Champaign, Illinois

Total Precipitation Departure from Mean in Inches
July 1, 2006 to July 31, 2006



Midwestern Regional Climate Center
Illinois State Water Survey
Champaign, Illinois